

a.) Amendment to the Claims

1. (Previously Presented) An isolated polypeptide which comprises the amino acid sequence of SEQ ID NO: 1.

2. (Currently Amended) An isolated polypeptide which is encoded by a DNA having at least 80% 95% homology with the nucleotide sequence of SEQ ID NO:2 and which has a nucleoside transporting activity.

3. (Previously Presented) An isolated DNA which encodes the polypeptide of claim 1.

4. (Previously Presented) An isolated DNA which has the nucleotide sequence of SEQ ID NO:2.

5. (Previously Presented) An isolated DNA which hybridizes with the DNA of claim 3 or 4 at 65°C in the presence of 0.7 to 1.0M sodium chloride followed by washing at 65°C with 0.1 to 2 x SSC, and which encodes a polypeptide having a nucleoside transporting activity.

6. (Previously Presented) A recombinant DNA which is obtained by inserting the DNA of any one of claims 3, 4 or 46 into a vector.

7. (Previously Presented) The recombinant DNA according to claim 6, wherein the recombinant DNA is plasmid p46-1 or p3-2.

8. (Previously Presented) An isolated transformant which harbours the recombinant DNA of claim 6.

9. (Previously Presented) The transformant according to claim 8, wherein the transformant is selected from the group consisting of a microorganism, an animal cell, a plant cell and an insect cell.

10. (Previously Presented) The transformant according to claim 9, wherein the transformant is a microorganism belonging to the genus *Escherichia*.

11. (Previously Presented) The transformant according to claim 10, wherein the microorganism is *Escherichia coli* JM109/p46-1 (FERM BP-6462) or *Escherichia coli* JM109/p3-2 (FERM BP-6830).

12. (Previously Presented) A method for producing a polypeptide selected from the group consisting of:

- (i) a polypeptide which comprises the amino acid sequence of SEQ ID NO:1; and
- (ii) the amino acid sequence of SEQ ID NO:1, wherein one to twenty amino acids are deleted, substituted or added, and which polypeptide a polypeptide which is encoded by a DNA having at least 95% homology with the nucleotide sequence of SEQ ID NO:2 and which has a nucleoside transporting activity,

which comprises culturing the transformant of claim 8 in a medium to form and accumulate the polypeptide in the culture, and subsequently recovering the polypeptide from the culture.

Claims 13-45 (Cancelled).

46. (Previously Presented) An isolated DNA which encodes the polypeptide of claim 2.

47. (Previously Presented) A recombinant DNA which is obtained by inserting the DNA of claim 5 into a vector.

48. (Previously Presented) An isolated transformant which harbours the recombinant DNA of claim 7.

Claims 49-66 (Cancelled).